	SOURCES MINING		FORI					
APPLI	1. WELL NAME and	NUMBER NBU 697-25E						
2. TYPE OF WORK DRILL NEW WELL	REENTER P8	A WELL DEEPE	EN WELL		3. FIELD OR WILDO	CAT NATURAL BUTTES		
4. TYPE OF WELL Gas We	ell Coalb	ed Methane Well: NO			5. UNIT or COMMU	NITIZATION AGREI NATURAL BUTTES	EMENT NAME	
6. NAME OF OPERATOR KERR	-MCGEE OIL & 0	GAS ONSHORE, L.P.			7. OPERATOR PHO	NE 307-752-1169		
8. ADDRESS OF OPERATOR P.O	. Box 173779, D	enver, CO, 80217			9. OPERATOR E-MA Laura.	. IL Gianakos@anadarko.o	com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML22793		11. MINERAL OWNE FEDERAL INC	ERSHIP DIAN (STATE (FEE (12. SURFACE OWN	ERSHIP DIAN (STATE (FEE (
13. NAME OF SURFACE OWNER (if box 12	= 'fee')				14. SURFACE OWN	ER PHONE (if box 1	2 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWN	ER E-MAIL (if box 1	.2 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COM		TON FROM	19. SLANT			
(II DOX 12 - INDIAN)		YES (Submit C	Commingling Applicat	ion) NO	VERTICAL DIF	RECTIONAL 📋 HO	DRIZONTAL (
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	1639 FS	6L 1128 FWL	NWSW	25	10.0 S	22.0 E	S	
Top of Uppermost Producing Zone	1639 FS	SL 1128 FWL	NWSW	25	10.0 S	22.0 E	S	
At Total Depth	1639 FS	SL 1128 FWL	NWSW	25	10.0 S	22.0 E	S	
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LIN 1128	E (Feet)	23. NUMBER OF AC	RES IN DRILLING 1 640	JNIT	
		25. DISTANCE TO N (Applied For Drilling		AME POOL	26. PROPOSED DEPTH MD: 6883 TVD: 6883			
27. ELEVATION - GROUND LEVEL 5559		28. BOND NUMBER	6196017		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225			
		Α.	TTACHMENTS		1			
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDAN	CE WITH THE U	TAH OIL AND	GAS CONSERVATI	ON GENERAL RU	ILES	
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEE	R COM	PLETE DRILLING	G PLAN			
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURF	FACE) FORI	FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER				
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY RILLED)			№ торо	OGRAPHICAL MA	P			
NAME Kaylene Gardner	TITLE Regulatory Administrator			PHONE 435 781-9111				
SIGNATURE	DATE 07/10/2009			EMAIL kayle	ene_gardner@eogresou	irces.com		
API NUMBER ASSIGNED 43047505470000	APPRO'	VAL		Boll	Zylll			
				Permit	Manager			

API Well No: 43047505470000 Received: 7/10/2009

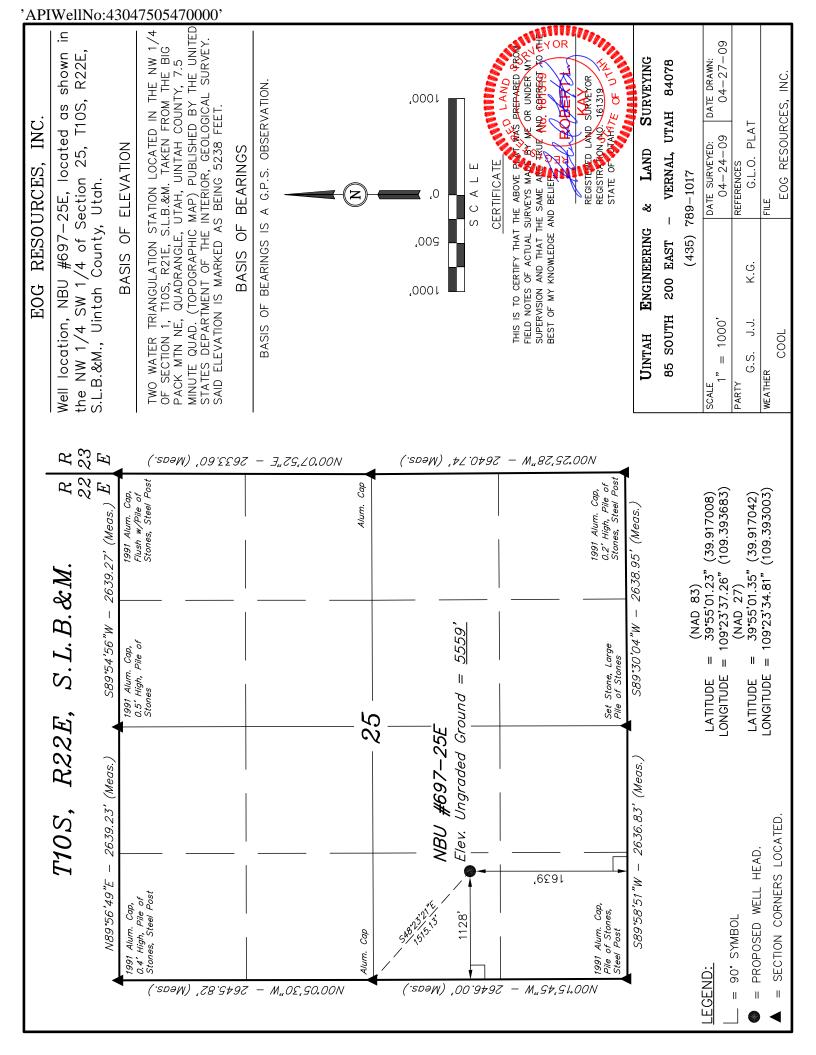
	Proposed Hole, Casing, and Cement									
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)						
Cond	20	14	0	60						
Pipe	Grade	Length	Weight							
	Unknown	60	32.5							

API Well No: 43047505470000 Received: 7/10/2009

	Proposed Hole, Casing, and Cement								
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)					
Prod	7.875	4.5	0	7247					
Pipe	Grade	Length	Weight						
	Grade L-80 LT&C	6883	11.6						

API Well No: 43047505470000 Received: 7/10/2009

	Proposed Hole, Casing, and Cement									
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)						
Surf	12.25	9.625	0	2300						
Pipe	Grade	Length	Weight							
	Grade J-55 ST&C	2300	36.0			Г				



NW/SW, SEC. 25, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,113		Shale	
Birdsnest Zone	1,293		Dolomite	
Mahogany Oil Shale	1,715		Shale	
Wasatch	3,931	Primary	Sandstone	Gas
Chapita Wells	4,495	Primary	Sandstone	Gas
Buck Canyon	5,189	Primary	Sandstone	Gas
North Horn	5,865	Primary	Sandstone	Gas
Price River	6,127	Primary	Sandstone	Gas
TD	6,883			

Estimated TD: 6,883' or 200'± below TD Anticipated BHP: 3,759 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft \pm of the Green River Formation, with top at about 2,000 ft \pm .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

3. PRESSURE CONTROL EQUIPMENT:

Production Hole - 5000 Psig

BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	<u>Tensile</u>
Conductor	20"	0 – 60'	14"	32.5#	A-252	STC		1,880 PSI	10,000#
Surface	12 1/4"	0' - 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface - TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

NW/SW, SEC. 25, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

6. MUD PROGRAM

Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'± - TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

NW/SW, SEC. 25, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Logs: Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following: Cement

Bond / Casing Collar Locator and Pulsed Neutron

NW/SW, SEC. 25, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl₂, 3 lb/sx

GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2 gps

water.

Top Out: As necessary with Class "G" cement with 2% CaCl₂, ¼#/sk Flocele mixed at 15.6 ppg,

1.18 ft³/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

Production Hole Procedure (2300'± - TD)

Lead: 88 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes)

mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail: 599 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1

ppg, 1.28 ft³/sk., 5.9gps water.

Note: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 2300'±):

Lost circulation

Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

NW/SW, SEC. 25, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

12. <u>HAZARDOUS CHEMICALS:</u>

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

EOG RESOURCES, INC.

NBU #697-25E LOCATED IN UINTAH COUNTY, UTAH SECTION 25, T10S, R22E, S.L.B.&M.

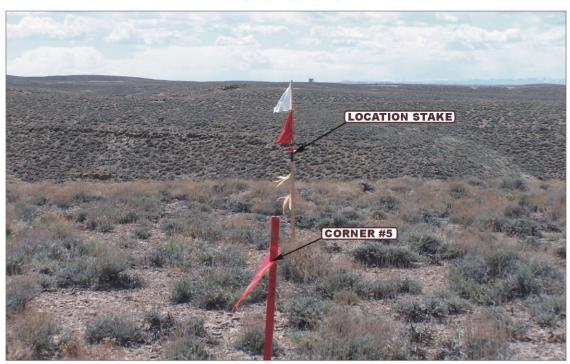


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

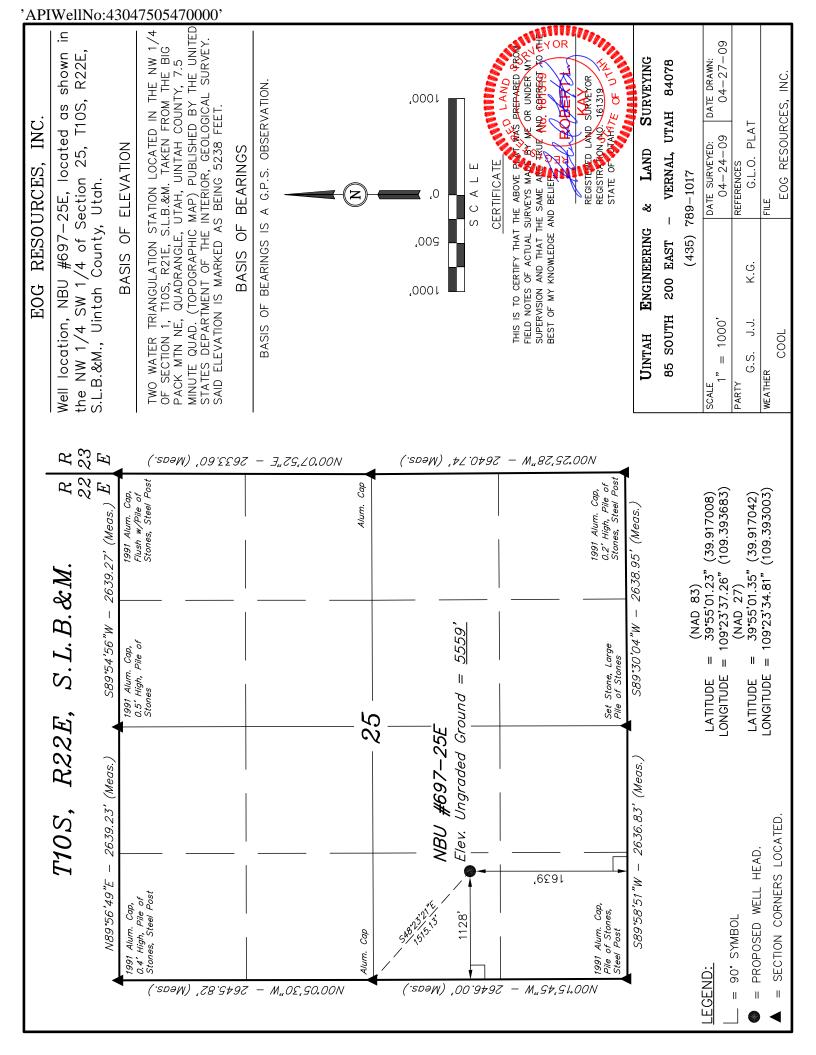


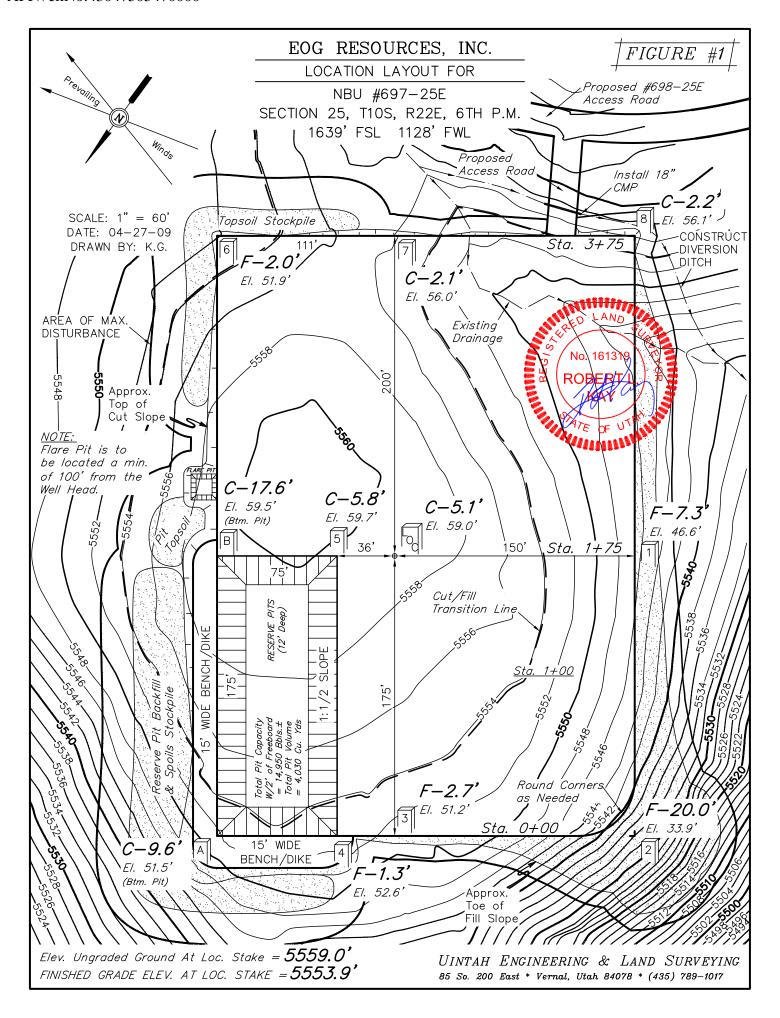
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

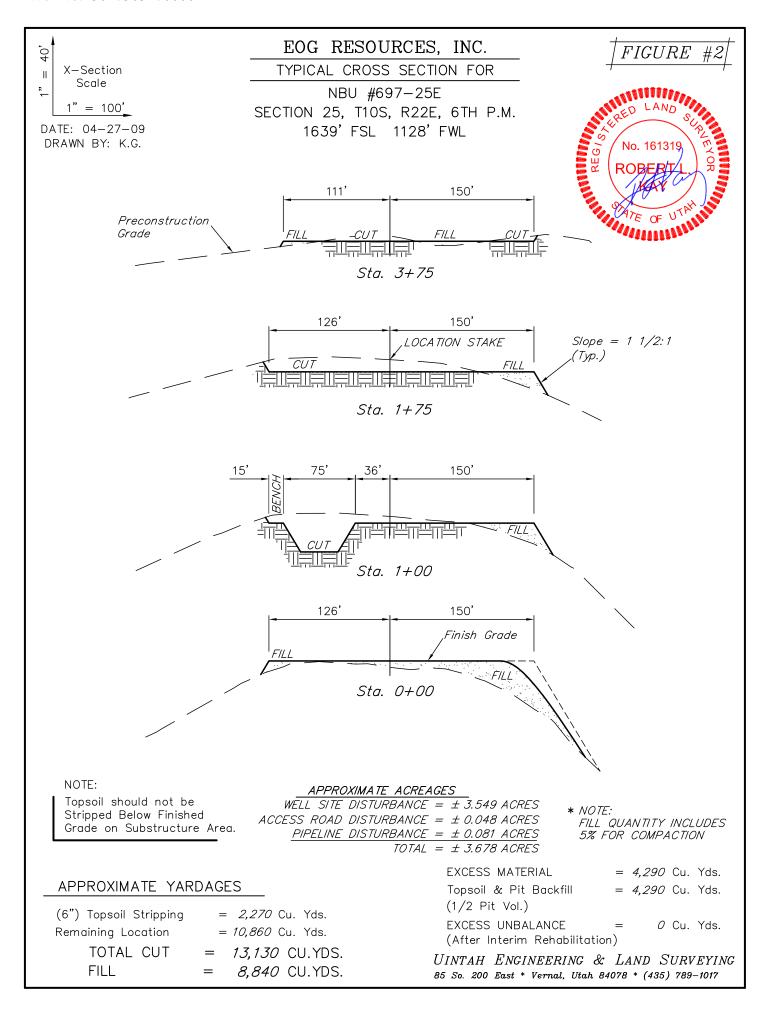
CAMERA ANGLE: NORTHWESTERLY

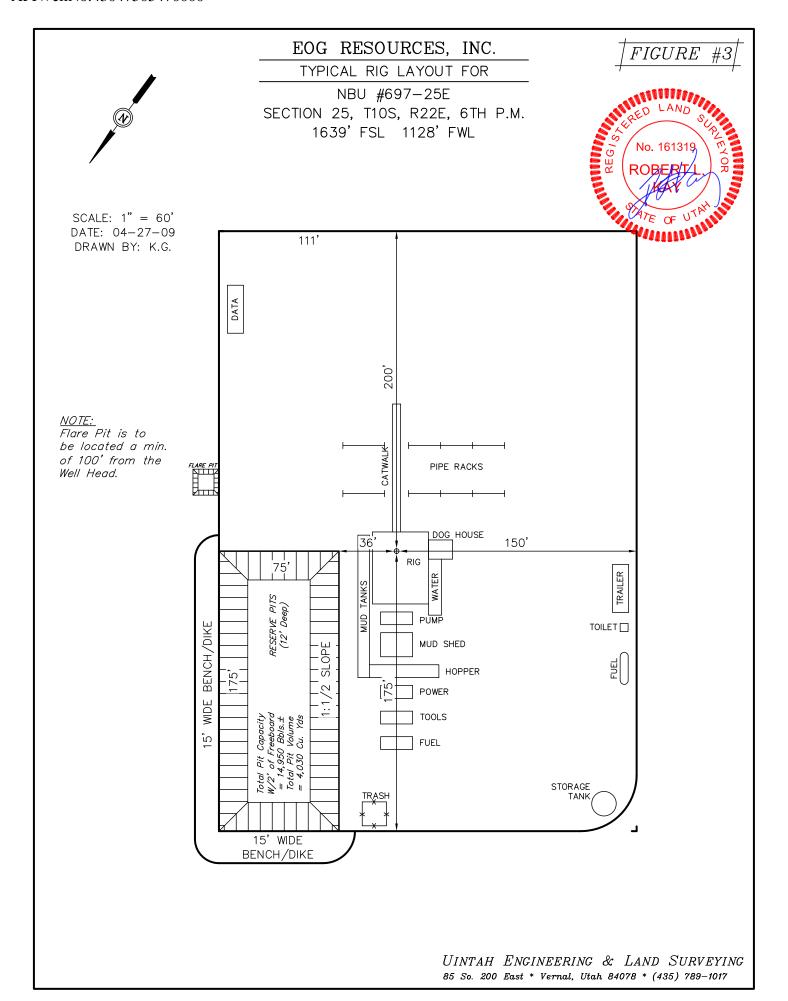


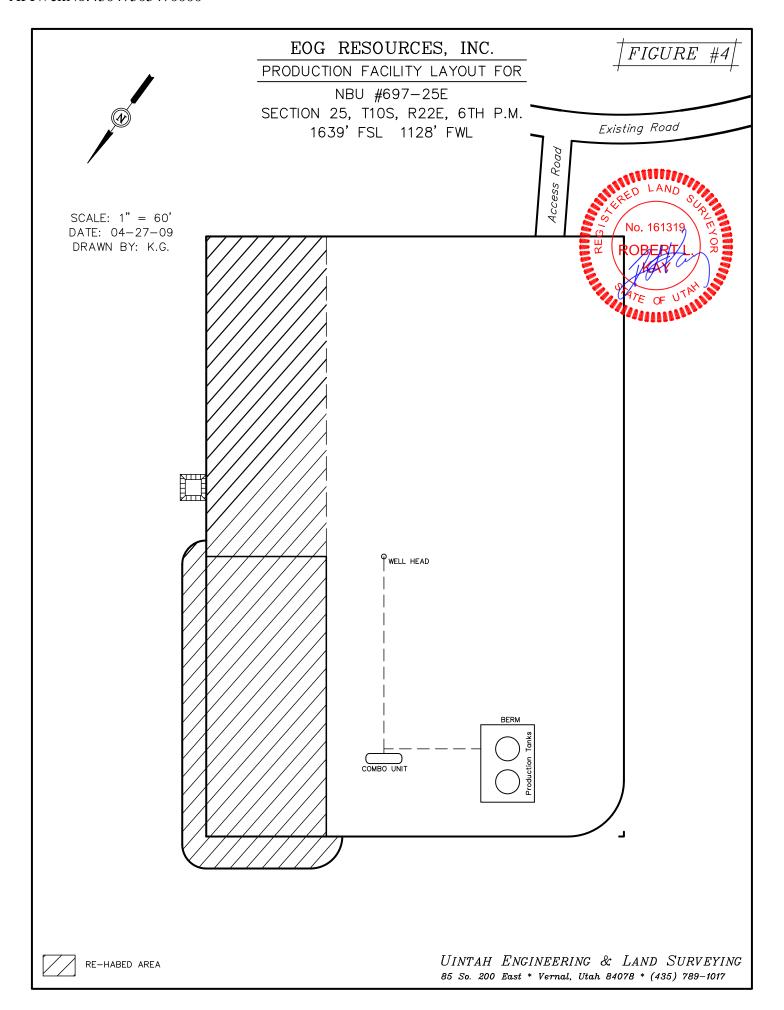
LOCATION	PHOTOS	05 MONTH	05 DAY	09 YEAR	РНОТО
TAKEN BY: GS.	DRAWN BY: J.H	. REV	ISED: 0	0-00-00	









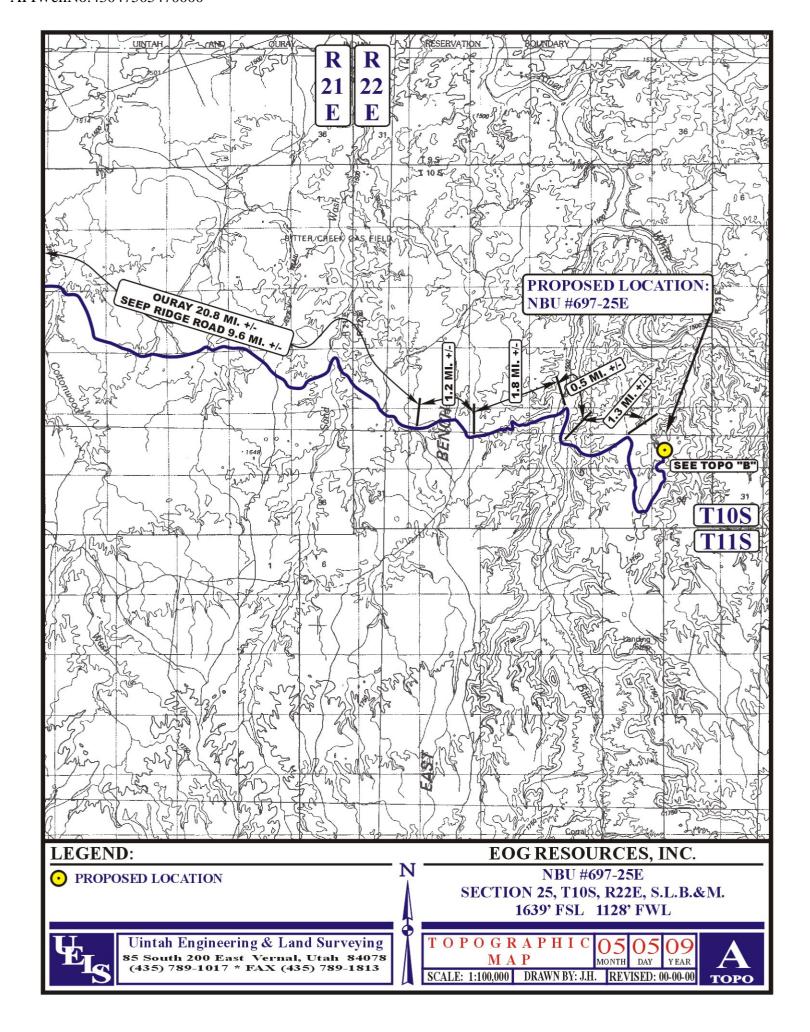


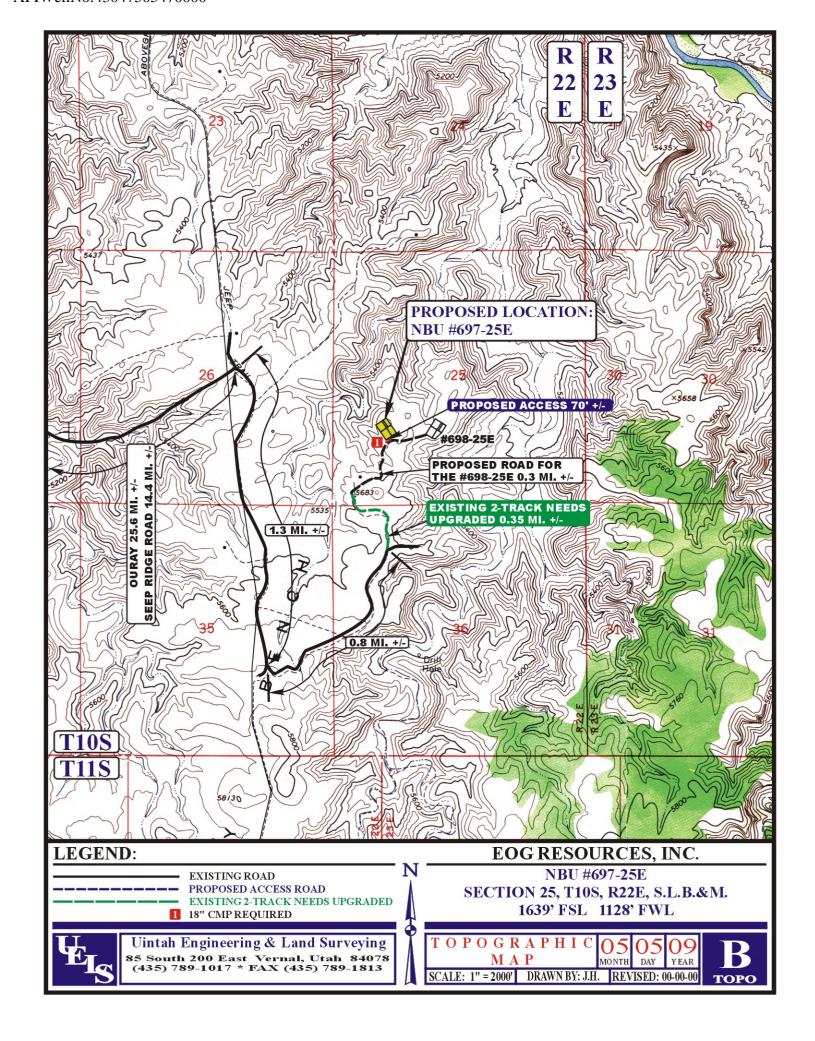
EOG RESOURCES, INC.

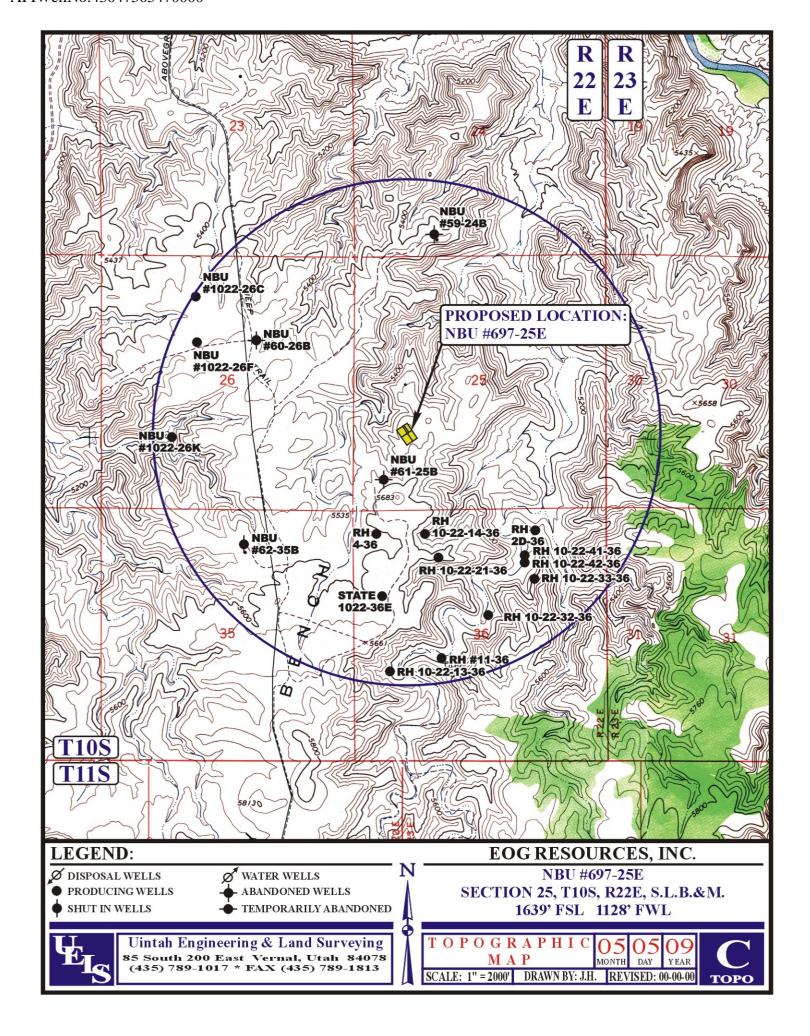
NBU #697-25E SECTION 25, T10S, R22E, S.L.B.&M.

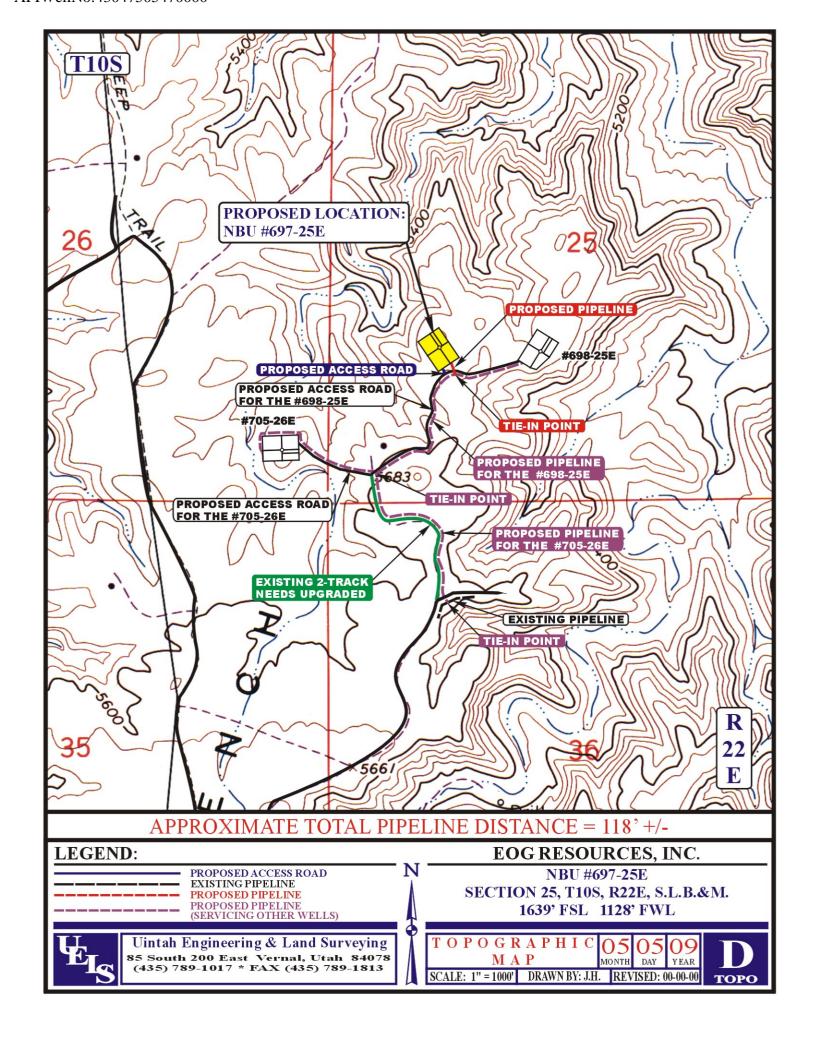
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST: TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND A EXISTING TWO TRACK TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.35 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #698-25E TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATLEY 70' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 59.4 MILES.











Natural Buttes Unit 697-25E NWSW, Section 25, T10S, R22E Uintah County, Utah

SURFACE USE PLAN

1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 59.4 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 70' in length. The existing two will be upgraded for an approximate distance of 3432'. See attached Topo B.
- B. The access road has a 40-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. The length of the proposed pipeline Is 118' x 40'. The proposed pipeline leaves the southern edge of the proposed location proceeding in a southerly direction for an approximate distance of 118' tieing into an existing pipeline located within Section 25, T10S, R22E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. METHODS AND LOCATION

- 1. Cuttings will be confined and dried on location. After drilling cuttings will be spread out on location.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at

one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation Ponds, 1, 2, 3, 4, 5, and/or 6, Coyote Ponds 1, 2, 3, and/or 4, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

A closed loop system will be used during all drilling and completion operations.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The closed loop system will be located on the east side of the location. The flare pit will be located downwind of the prevailing wind direction on the west side of the location, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

Access to the well pad will be from the south.

FENCING REQUIREMENTS:

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RECLAMATION OF THE SURFACE:

A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The stockpiled topsoil will then be spread over the area not required for production and seeded with the prescribed seed mixture for this location.

B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

State of Utah

12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
 - Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used.
 - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for

the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources and paleontology survey will be conducted and submitted by Montgomery Archaeological Consultants.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

Kaylene R. Gardner EOG Resources, Inc. 1060 East Highway 40 Vernal, Utah 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

CERTIFICATION:

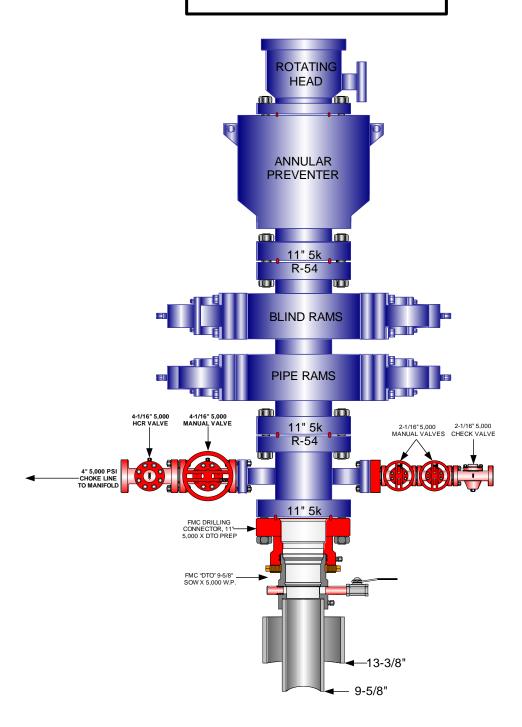
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Buttes Unit 697-25E Well, located in the NWSW, of Section 25, T10S, R22E, Uintah County, Utah; State land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

July 10, 2009	
Date	Kaylene R. Gardner, Regulatory Administrator

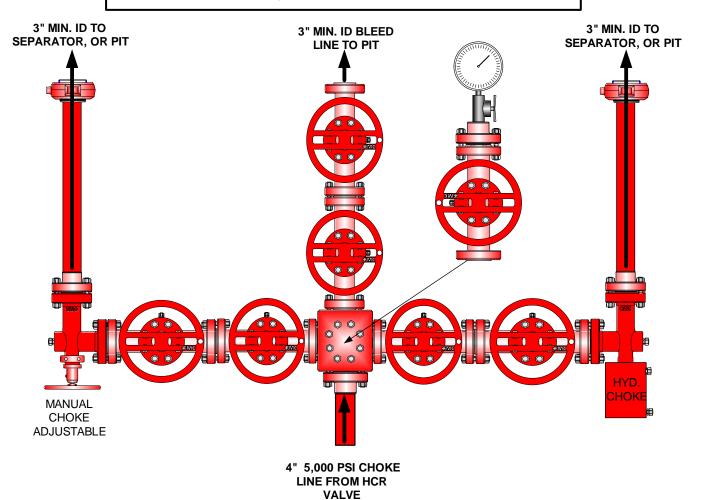
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



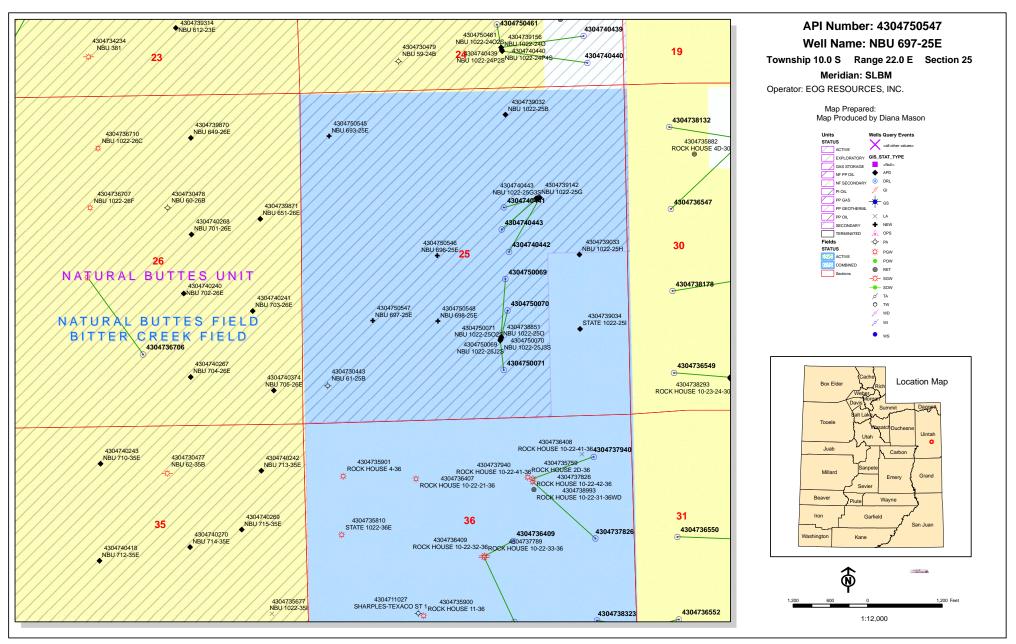
EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 0F 2



Testing Procedure:

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



BOPE REVIEW EOG Resources, Inc. NBU 697-25E 43047505470000

Well Name	EOG Resources, Inc. NBU 697-25E 43047505470000			
String	Cond	Surf	Prod	
Casing Size(")	14.000	9.625	4.500	
Setting Depth (TVD)	60	2300	7247	
Previous Shoe Setting Depth (TVD)	О	60	2300	
Max Mud Weight (ppg)	8.3	8.4	10.5	
BOPE Proposed (psi)	О	500	5000	
Casing Internal Yield (psi)	1710	3520	7780	
Operators Max Anticipated Pressure (psi)	3759		10.0	

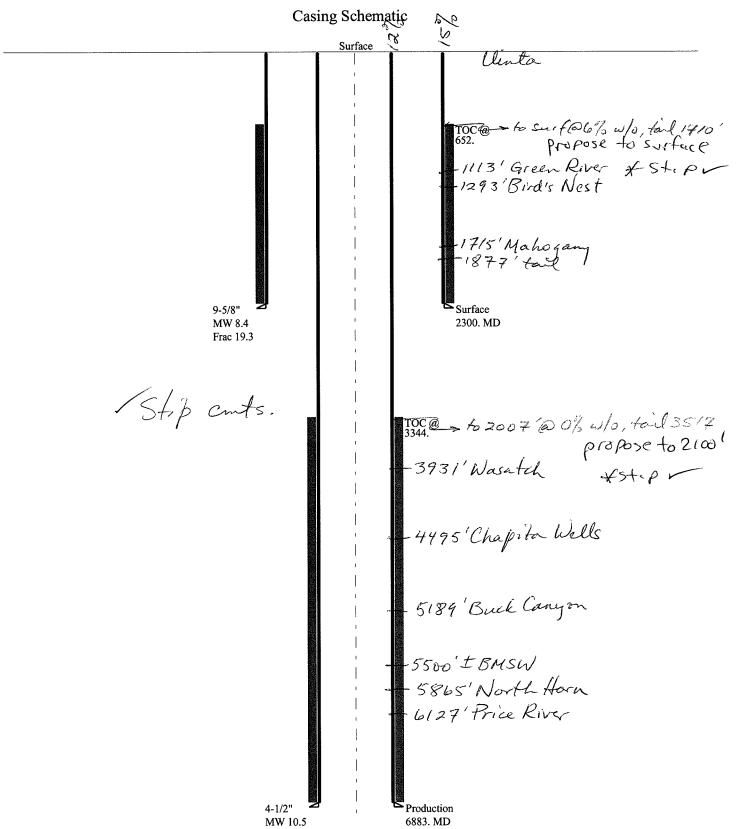
Calculations	Cond String	14.000	"
Max BPH (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"
Max BPH (psi)	.052*Setting Depth*MW=	1005	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	729	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	499	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	512	NO Reasonable depth in area
Required Casing/BOPE To	est Pressure=	2300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"
Max BPH (psi)	.052*Setting Depth*MW=	3957	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3087	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2363	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	2869	NO OK
Required Casing/BOPE To	est Pressure=	5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2300	psi *Assumes 1psi/ft frac gradient

Calculations	String	"		
Max BPH (psi)	.052*Setting Depth*MW=			
		BOPE Adequate For Drilling And Setting Casing at Depth?		
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	NO		
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	NO		
		*Can Full Expected Pressure Be Held At Previous Shoe?		
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth)=	NO		
Required Casing/BOPE To	est Pressure=	psi		
*Max Pressure Allowed @	Previous Casing Shoe=	psi *Assumes 1psi/ft frac gradient		

43047505470000 NBU 697-25E



43047505470000 NBU 697-25E Well name:

EOG Resources, Inc. Operator:

Surface String type:

Project ID: 43-047-50547

COUNTY **UINTAH** Location:

Design parameters: Minimum design factors: **Environment:**

Collapse: Collapse 8.400 ppg

Mud weight: Design is based on evacuated pipe.

H2S considered? No 74 °F Design factor 1.125 Surface temperature: Bottom hole temperature:

106 °F Temperature gradient: 1.40 °F/100ft

Minimum section length:

1.00

100 ft **Burst:**

Cement top:

Design factor

Burst Max anticipated surface

> pressure: 2,024 psi Internal gradient: 0.120 psi/ft

Calculated BHP 2,300 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.70 (J) **Buttress:** 1.60 (J)

Premium: 1.50 (J) 1.50 (B) Body yield:

Tension is based on air weight. Neutral point: 2,014 ft Non-directional string.

Re subsequent strings:

Next setting depth: 6,883 ft Next mud weight: 10.500 ppg Next setting BHP: 3,754 psi

Fracture mud wt: Fracture depth:

Injection pressure:

19.250 ppg 2,300 ft 2,300 psi

652 ft

Run Segment Nominal End **True Vert** Measured Drift Est. Depth Depth Diameter Cost Length Size Weight Grade **Finish** Seq (lbs/ft) (ft) (in) (ft) (ft) (in) (\$) 2300 2300 19991 1 2300 9.625 36.00 J-55 ST&C 8.796 Collapse Tension **Tension** Run Collapse Collapse Burst **Burst** Burst **Tension** Load Strength Design Load Strength Design Load Strength Design Seq (psi) (psi) **Factor** (psi) **Factor** (kips) (kips) **Factor** (psi) 1004 2020 2.013 2300 3520 1.53 82.8 394 4.76 J 1

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: July 30,2009 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

43047505470000 NBU 697-25E Well name:

EOG Resources, Inc. Operator:

Production String type:

Project ID: 43-047-50547

UINTAH COUNTY Location:

Design parameters: Minimum design factors: **Environment:** H2S considered?

Collapse Collapse:

Mud weight: 10.500 ppg Design is based on evacuated pipe.

74 °F Design factor 1.125 Surface temperature: Bottom hole temperature: 170 °F

Cement top:

Non-directional string.

Temperature gradient: 1.40 °F/100ft 100 ft

No

3,344 ft

Minimum section length: **Burst:**

1.00

Design factor

Burst Max anticipated surface

> pressure: 2,240 psi Internal gradient: 0.220 psi/ft

Calculated BHP 3,754 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) **Buttress:** 1.60 (J)

1.50 (J) Premium: Body yield: 1.60 (B)

Tension is based on air weight.

Neutral point: 5,803 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6883	4.5	11.60	N-80	LT&C	6883	6883	3.875	28347
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3754	6350	1.691	 3754	`7780	2.07	`79.8	`223	2.79 J

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: July 30,2009 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6883 ft, a mud weight of 10.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From: Jim Davis

To: Bonner, Ed; Mason, Diana

CC: Danielle Piernot; Garrison, LaVonne; kathy.schneebeckdulnoan@anadarko.com

Date: 2/25/2010 2:24 PM

EOG/Kerr McGee well approvals Subject:

The following wells have been approved by SITLA including arch and paleo clearance.

4304750435 NBU 686-30E 4304750436 NBU 690-30E 4304750437 NBU 689-30E 4304750444 NBU 688-30E 4304750546 NBU 696-25E 4304750547 NBU 697-25E 4304750548 NBU 698-25E 4304750545 NBU 693-25E 4304750554 NBU 700-25E

-Jim

Jim Davis **Utah Trust Lands Administration** jimdavis1@utah.gov

Phone: (801) 538-5156

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.

Well Name NBU 697-25E

API Number 43047505470000 APD No 1751 Field/Unit NATURAL BUTTES

Location: 1/4,1/4 NWSW **Sec 25 Tw** 10.0S **Rng** 22.0E 1639 FSL 1128 FWL

GPS Coord (UTM) 637350 4419584 Surface Owner

Participants

Floyd Bartlett (DOGM), Kaylene Gardner, Robert Wilkins and Keith Norbeck (EOG Resources) and Jim Davis (SITLA).

Regional/Local Setting & Topography

The general area is on Archy Bench in the east end of the Natural Buttes Unit. Topography on Archy Bench consists of ridges that are frequently narrow and dissected or bordered by deep rugged draws that lead to the White River. Distance to the White River varies from ½ mile to 2 miles. The Bitter Creek drainage borders Archy Bench on the west and No Name Canyon on the east. Both of these drainages and the side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 37 air miles and 59.2 road miles to the northwest. The area is accessed by Utah State, Uintah County and existing or proposed oilfield development roads except for 70 feet that will be constructed.

The proposed pad for the Natural Buttes Unit 697-25E gas well is on a flat or rounded portion of a ridge which runs and slopes in a northerly direction toward the White River a distance of about 2 miles. The widest part of the ridge will be utilized. Both sides of the ridge have small swales which angle away from the top and will be excavated or filled during pad construction. No diversions are required. As laid-out, recovery of fill at Corner 2 would be difficult. Additional rounding between Corners 1 and 3 is needed to reduce the extent of fill at Corner 2. Because of the rocky terrain and adjacent draws, EOG will use a closed loop mud circulation system for drilling. The location should be stable and pose no other problems for drilling and operating a well and is the only suitable location in the area.

Both the surface and minerals for this location are owned by SITLA. Jim Davis of SITLA attended the pre-site visit and participated in reaching the changes to the pad layout.

Surface Use Plan

Current Surface Use

Grazing Recreational Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.01 Width 276 Length 375 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

3/1/2010 Page 1

Flora / Fauna

Moderately vegetated with black sagebrush, shadscale, Gardner saltbrush, prickly pear, halogeton, Mormon tea, greasewood, horsebrush, Indian paint brush, broom snakeweed six-week fescue and spring annuals.

Antelope, covote, small mammals and birds. Winter domestic sheep grazing.

Soil Type and Characteristics

Shallow rocky sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources?

Reserve Pit

Site-Specific Factors	Site Ra	anking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	300 to 1320	10	
Native Soil Type	High permeability	20	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	35	1 Sensitivity Level

Characteristics / Requirements

Because of the rocky terrain and adjacent draws, EOG will use a closed loop mud circulation system for drilling.

Closed Loop Mud Required? Y Liner Required? Liner Thickness Pit Underlayment Required?

Other Observations / Comments

Evaluator	Date / Time
Floyd Bartlett	6/10/2009

3/1/2010 Page 2

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

X Change of Operator (Well Sold)

Operator Name Change

Designation of Agent/Operator

Merger

	R	OUTING
	1.	DJJ
l	2	CDW

The operator of the well(s) listed below has chan	ged, e	effectiv	ve:			1/1/2010	A STATES OF	
FROM: (Old Operator):	J , ·			ITO. (2)	AND THE PERSON AND ADDRESS OF THE PERSON	L/1/4010		
N9550-EOG Resources				TO: (New On		_:		
				N2995-Kerr-M			re., LP	
1060 E Hwy 40					outh 1200 E	ast		
Vernal, UT 84078				Vernal,	UT 84078			
Phone: 1-(435) 781-9111				Phone: 1-(435)	781-7024			
CA No.				Unit:		NATURA	L BUTT	ES
WELL NAME(S)	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
OFFI A MITTA CHIND					NO	TYPE	TYPE	STATUS
SEE ATTACHED								
			L				<u> </u>	
ODED ATOD CHANCES DOCUMENTS	A FIRST A	ON						
OPERATOR CHANGES DOCUMENTA	A 1 19	ON						
Enter date after each listed item is completed		. 10	.1	EODLEEN				
 (R649-8-10) Sundry or legal documentation was (R649-8-10) Sundry or legal documentation was 	s rece	ived fi	om the	FORMER ope	rator on:	12/24/2009	-	
, , , , , , , , , , , , , , , , , , , ,						12/24/2009		
3. The new company was checked on the Departn		of Con	nmerce	, Division of Co	orporations	Database o	on:	3/7/2006
4. Is the new operator registered in the State of Ut	ah:		YES	Business Numb	er: 1	355743-018	1	
6a. (R649-9-2)Waste Management Plan has been re	ceive	d on:		IN PLACE		·····	•	
6b. Inspections of LA PA state/fee well sites compl	ete or	1:		n/a				
7. Federal and Indian Lease Wells: The BLM ar	id or	the BL	A has a	pproved the mer	ger, name o	hange.		
or operator change for all wells listed on Federa					BLM	not yet	BIA	n/a
8. Federal and Indian Units:				•				1
The BLM or BIA has approved the successor	of un	it oper	ator for	wells listed on:		not yet		
9. Federal and Indian Communization Agreeme	ents ("CĀ"):				•	
The BLM or BIA has approved the operator for				rithin a CA on:		n/a		
10. Underground Injection Control ("UIC")			The Di	vision has appro	ved UIC Fo	rm 5. Trans	sfer of Aı	ithority to
Inject, for the enhanced/secondary recovery uni	t/proj	ect for	the wa	ter disposal well	(s) listed or	1:	n/a	y 20
DATA ENTRY:								
1. Changes entered in the Oil and Gas Database of	n:			1/31/2010				
2. Changes have been entered on the Monthly Ope	erato	r Cha				1/31/2010		
Bond information entered in RBDMS on:			•	1/31/2010	•	CONTRACTOR CONTRACTOR	•	
4. Fee/State wells attached to bond in RBDMS on:			•	1/31/2010				
5. Injection Projects to new operator in RBDMS of	n:		•	n/a				
BOND VERIFICATION:								
Federal well(s) covered by Bond Number:				WYB000291				
2. Indian well(s) covered by Bond Number:			-	n/a				
3. (R649-3-1) The NEW operator of any state or fe	ee we	ll(s) lis	sted cov		Jumber	22013542		
The FORMER operator has requested a release of					n/a			
COMMENTS:								
EOG transferred all their leases and permits in N	BUt	n Keri	-McG	o offective Ian	uery 1 201	0		

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

L	DIVISION OF OIL, GAS AND MINI	NG	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22793
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill ne drill horizontal lat	w wells, significantly deepen existing wells below current erals. Use APPLICATION FOR PERMIT TO DRILL form	bottom-hole depth, reenter plugged wells, or to for such proposals.	7. UNIT or CA AGREEMENT NAME: Natural Buttes
1. TYPE OF WELL OIL WELL	GAS WELL 🚺 OTHER		8. WELL NAME and NUMBER: Natural Buttes Unit 697-25E
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43-047-50547
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1060 East Highway 40 4. LOCATION OF WELL	Vernal STATE UT ZIP 84	078 (435) 781-9111	Natural Buttes
	SL & 1128' FWL 39.917008 LAT 1	09.393683 LON	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANG	se, meridian: NWSW 25 10S 22E	E S	STATE: UTAH
11. CHECK APPR	OPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	_ PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
EOG Resources, Inc. has a Wells") to Kerr-McGee Oil & Gas Ons As of January 1, 2010, Ker and will be responsible und	00 ap	erest in the wells described in ish and transfer operatorship III be considered to be the operatorshie applicable lease for the opera	the attached list ("the Subject of all of the Subject Wells to erator of each of the Subject Wells ations conducted upon the leased
NAME (PLEASE PRINT) J. Michael	Schween	Agent and Attorn	ney-in-Fact
SIGNATURE		DATE 12/17/2009	
This space for State use only)			RECEIVED.
APPROV	VED 1/3/1/20/0		0000
Ω	1000		

(5/2000)

Division of Oil, Gas and Mining (See Instructions on Reverse Side)
Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

Application for Permit to Drill Statement of Basis

3/1/2010 Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo				Status	W	ell Type	Surf Owner	r CBM
1751	430475054700	000			LOCKED	GV	\mathcal{N}	S	No
Operator	KERR-MCGE	EE OIL	& GA	AS C	ONSHORE, I	L.P. Su	rface Owner-APD		
Well Name	NBU 697-25E	<u>C</u>				Uı	nit	NATURAL	BUTTES
Field	NATURAL B	UTTE	S			Ty	pe of Work	DRILL	
Location	NWSW 25	10S	22E	S	1639 FSL	1128 FWL	GPS Coord (UTM)) 637346E	4419576N

Geologic Statement of Basis

EOG proposes to set 2,300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 25. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill 7/23/2009 **APD Evaluator Date / Time**

Surface Statement of Basis

The general area is on Archy Bench in the east end of the Natural Buttes Unit. Topography on Archy Bench consists of ridges that are frequently narrow and dissected or bordered by deep rugged draws that lead to the White River. Distance to the White River varies from ½ mile to 2 miles. The Bitter Creek drainage borders Archy Bench on the west and No Name Canyon on the east. Both of these drainages and the side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 37 air miles and 59.2 road miles to the northwest. The area is accessed by Utah State, Uintah County and existing or proposed oilfield development roads except for 70 feet that will be constructed.

The proposed pad for the Natural Buttes Unit 697-25E gas well is on a flat or rounded portion of a ridge which runs and slopes in a northerly direction toward the White River a distance of about 2 miles. The widest part of the ridge will be utilized. Both sides of the ridge have small swales which angle away from the top and will be excavated or filled during pad construction. No diversions are required. As laid-out, recovery of fill at Corner 2 would be difficult. Additional rounding between Corners 1 and 3 is needed to reduce the extent of fill at Corner 2. Because of the rocky terrain and adjacent draws, EOG will use a closed loop mud circulation system for drilling. The location should be stable and pose no other problems for drilling and operating a well and is the only suitable location in the area.

Both the surface and minerals for this location are owned by SITLA. Jim Davis of SITLA attended the pre-site visit and participated in reaching the changes to the pad layout. He stated that it was acceptable for EOG to spread the drilling cuttings on the pad and access road after the well is complete. He instructed EOG to contact SITLA for reseeding and reclamation requirements when they are needed.

Floyd Bartlett **Onsite Evaluator**

6/10/2009 **Date / Time**

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 2

Pits Surface

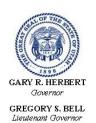
3/1/2010

A closed loop mud circulation system is required for this location. The well site shall be bermed to prevent fluids from leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	7/10/2009		API NO. ASSIGNED:	43047505470000
WELL NAME:	NBU 697-25E			
OPERATOR:	KERR-MCGEE OIL & GAS	ONSHORE, L.P. (N2995)	PHONE NUMBER:	435 781-9111
CONTACT:	Kaylene Gardner			
PROPOSED LOCATION:	NWSW 25 100S 220E		Permit Tech Review:	
SURFACE:	1639 FSL 1128 FWL		Engineering Review:	
воттом:	1639 FSL 1128 FWL		Geology Review:	
COUNTY:	UINTAH			
LATITUDE:	39.91704		LONGITUDE:	-109.39300
UTM SURF EASTINGS:	637346.00		NORTHINGS:	4419576.00
FIELD NAME:	NATURAL BUTTES			
LEASE TYPE:				
LEASE NUMBER:	ML22793 PROPO	SED PRODUCING FORMATI	ON(S): WASATCH-MESA	VERDE
SURFACE OWNER:	3 - State		COALBED METHANE:	NO
RECEIVED AND/OR REVIE	:WED:	LOCATION AND SITING:		
∠ PLAT		R649-2-3.		
Bond: STATE/FEE - 619	96017	Unit: NATURAL BUTTES		
Potash		R649-3-2. General		
☑️ Oil Shale 190-5				
Oil Shale 190-3		R649-3-3. Exception		
Oil Shale 190-13		✓ Drilling Unit		
✓ Water Permit: 49-225	i	Board Cause No: Cau	ıse 173-14	
RDCC Review:		Effective Date: 12/2/	1999	
Fee Surface Agreeme	ent	Siting: 460' fr u bdry	& uncomm. tract	
✓ Intent to Commingle		R649-3-11. Directiona	l Drill	
Commingling Approved	1			
APD IS IN UPOD				
Stipulations: 3 - Com	mingling - ddoucet			

3 - Commingling - adoucet 5 - Statement of Basis - bhill 9 - Cement casing to Surface - ddoucet 12 - Cement Volume (3) - ddoucet 17 - Oil Shale 190-5(b) - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 697-25E API Well Number: 43047505470000

Lease Number: ML22793 **Surface Owner:** STATE **Approval Date:** 3/1/2010

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

In accordance with Cause No. 173-14 commingling the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The cement volumes for the 9 5/8" surface casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.

Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in

order to place cement from the pipe setting depth back to 2100' MD as indicated in the submitted drilling plan.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program

 contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

Gil Hunt

Associate Director, Oil & Gas

Die Hunt

	FORM 9		
	es NING	5.LEASE DESIGNATION AND SERIAL NUMBER: ML22793	
SUNDF	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.	existing wells below current Jse APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 697-25E	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS	HORE, L.P.		9. API NUMBER: 43047505470000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S	PHO treet, Suite 600, Denver, CO, 80217 3779	NE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1639 FSL 1128 FWL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:		COUNTY: UINTAH STATE:
Qtr/Qtr: NWSW Section: 25	5 Township: 10.0S Range: 22.0E Meridian:	S	UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
3/1/2011	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Zuto or morn completion.	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
·	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Kerr-McGee Oil & G extension to this A	as Onshore, L.P. (Kerr-McGee AS Onshore, L.P. (Kerr-McGee APD for the maximum time allo with any questions and/or cor	respectfully requests an owed. Please contact the mments. Thank you.	Approved by the Utah Division of Oil, Gas and Mining ate: 03/01/2011 y:
NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 3/1/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505470000

API: 43047505470000 Well Name: NBU 697-25E

Location: 1639 FSL 1128 FWL QTR NWSW SEC 25 TWNP 100S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 3/1/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not

uire revision. Following is a checklist of some items related to the application, which should be verified.
 If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Yes No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
nature: Danielle Piernot Date: 3/1/2011

Title: Regulatory Analyst Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Sundry Number: 23764 API Well Number: 43047505470000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML22793
SUNDF	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 697-25E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047505470000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18t	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 7 3779 720 929-	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1639 FSL 1128 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 25 Township: 10.0S Range: 22.0E Merio	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start: 3/7/2012	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
0/1/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
·	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Kerr-McGee Oil & G an extension to this	completed operations. Clearly show a Gas Onshore, L.P. (Kerr-McGe APD for the maximum time with any questions and/or co	ee) respectfully requests allowed. Please contact	Approved by the
NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMB 720 929-6156	ER TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 3/7/2012	

Sundry Number: 23764 API Well Number: 43047505470000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

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API: 43047505470000 Well Name: NBU 697-25E

Location: 1639 FSL 1128 FWL QTR NWSW SEC 25 TWNP 100S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

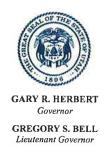
Date Original Permit Issued: 3/1/2010

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• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
nature: Danielle Piernot Date: 3/7/2012

Sig

Title: Regulatory Analyst Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 1, 2013

Luke Urban Kerr-McGee Oil & Gas Onshore, L.P. P.O. Box 173779. Denver, CO 80217

Re: <u>APDs Rescinded for Kerr-McGee Oil & Gas Onshore, L.P.</u>

Uintah County

Dear Mr. Urban:

Enclosed find the list of APDs that you requested to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective February 7, 2013.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc: Well File

Bureau of Land Management, Vernal

SITLA, Ed Bonner



43-047-50435	NBU 686-30E	SITLA
43-047-50436	NBU 690-30E	SITLA
43-047-50437	NBU 689-30E	SITLA
43-047-50444	NBU 688-30E	SITLA
43-047-50546	NBU 696-25E	SITLA
43-047-50547	NBU 697-25E	SITLA
43-047-50548	NBU 698-25E	SITLA
43-047-50554	NBU 700-25E	SITLA
43-047-37738	NBU 1022-19F	BLM
43-047-37739	NBU 1022-19D	BLM
43-047-50807	NBU 684-19E	SITLA
43-047-37897	NBU 920-21E	BLM